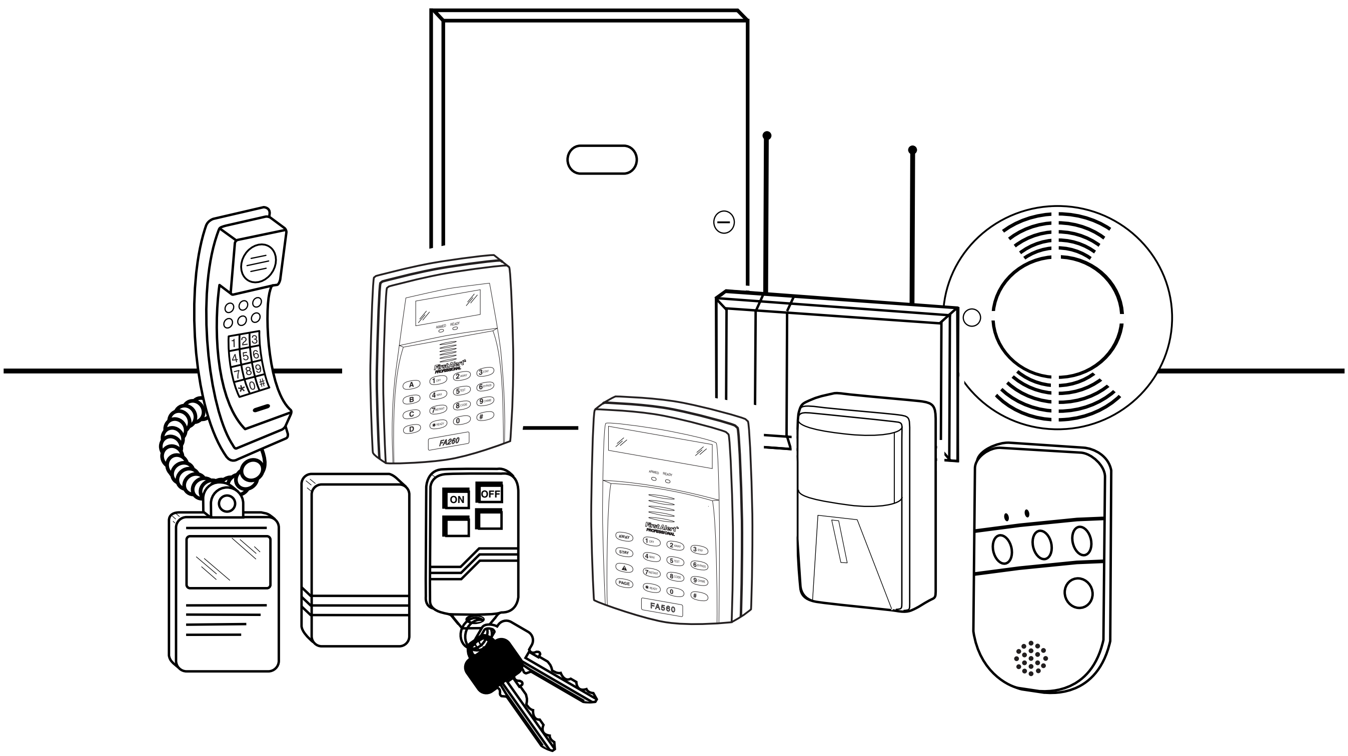
FA168CPS
FA148CP
Security Systems

Programming Guide



First Alert
PROFESSIONAL SECURITY SYSTEMS®
A Honeywell Company

K5305-5PRV2 10/03 Rev. A

TO ENTER PROGRAMMING MODE:
Local programming requires the use of an alpha keypad connected to the keypad terminals on the control.

A. POWER UP, then depress **[✱] and [#]** both at once, within 50 seconds of powering up (if ✱98 was used to exit program mode, this method must be used to reenter program mode).
OR

B. Initially, key: **Installer Code** (**4 + 1 + 1 + 2)** plus **8 + 0 + 0.**

DATA FIELD PROGRAMMING PROCEDURES

Task	Procedure
Go to a Data Field	Press [*] + [Field Number], followed by the required entry.
Entering Data	When the desired field number appears, simply make the required entry. When the last entry for a field is entered, the keypad beeps three times and automatically displays the next data field in sequence. If the number of digits that you need to enter in a data field is less than the maximum digits available (for example, the phone number fields *41, *42), enter the desired data, then press [*] to end the entry. The next data field number is displayed.
Review a Data Field	Press [#] + [Field Number]. Data will be displayed for that field number. No changes will be accepted in this mode.
Deleting an Entry	Press [*] + [Field Number] + [*]. (Applies only to fields *40 thru *46, *94, and pager programming fields)

INTERACTIVE MODE PROGRAMMING (*56, *57, *58, *79, *80, *81, *82, *187)

Press **[✱] + [Interactive Mode No.]** (for example, ✱56). The alpha display keypad will display the first of a series of prompts requesting entries.

Interactive Mode	Used to Program
✱56 Zone Programming	Zone characteristics, report codes, alpha descriptors, and serial numbers for 5800 RF transmitters.
✱57 Function Key Programming	Unlabeled keypad keys (known as ABCD keys) for special functions
✱58 Zone Programming (Expert mode)	Same options as *56 mode, but with fewer prompts. Intended for those familiar with this type of programming, otherwise *56 mode is recommended.
✱79 Output Device Mapping	Assign module addresses and map individual relays/powerline carrier devices
✱80 Output Programming	4229 or 4204 Relay modules, Powerline Carrier devices, or on-board triggers
✱81 Zone List Programming	Zone Lists for relay/powerline carrier activation, chime zones, pager zones, etc.
✱82 Alpha Programming	Zone alpha descriptors

INITIALIZE DOWNLOAD and RESET DEFAULTS

✱96 Initializes download ID and subscriber account number.
✱97 Sets all data fields to original factory default values.

TO EXIT PROGRAMMING MODE:

✱98 Exits programming mode and *prevents* re-entry by: **Installer Code** + **8** + **0** + **0**. If **✱98** is used to exit programming mode, system must be powered down, and method A above used to enter the programming mode.
See field *88 for other *98 Program mode lockout options.

✱99 Exits programming mode and *allows* re-entry by: **Installer Code** + **8** + **0** + **0** or method 1 above.

Special Messages

OC = OPEN CIRCUIT (no communication between Keypad and Control).

EE or **ENTRY ERROR** = ERROR (invalid field number entered; re-enter valid field number).

After powering up, **AC, dI** (disabled) or **Busy Standby** and **NOT READY** will be displayed after approximately 4 seconds. This will revert to a "**Ready**" message in approximately 1 minute, which allows PIRS, etc. to stabilize. You can bypass this delay by pressing **[#] + [0].**

If **E4** or **E8** appears, more zones than the expansion units can handle have been programmed. The display will clear after you correct the programming.

PROGRAMMING FORM

Entries apply to both the FA168CPS and FA148CP controls, except entries shown in dashed boxes, which apply only to the FA168CPS (partition entries) and are not applicable to the FA148CP.
Entry of a number other than one specified will give unpredictable results. Values shown in brackets are factory defaults.

Field	Function	Data Entries	Programmable Values
SYSTEM SETUP (✱20–✱29)			
✱ 20	INSTALLER CODE	[4112]	4 digits, 0–9
✱21	QUICK ARM ENABLE	[0,0] Part. 1 Part.2	0 = no; 1 = yes
✱22	RF JAM OPTION	[0]	0 = no RF Jam detection; 1 = send RF Jam report UL: must be 1 if wireless devices are used
✱23	QUICK (FORCED) BYPASS	[0,0] Part. 1 Part. 2	0 = no quick bypass UL: must be "0" 1 = allow quick bypass (code + [6] + [#])
✱ 24	RF HOUSE ID CODE	Part. 1 Part. 2 Common	00 = disable all wireless keypad usage 01–31 = using 5827, 5827BD or 5804BD keypad [00,00,00]
✱26	CHIME BY ZONE	[0]	0 = no; 1 = yes (select zones to chime on zone list 3, using *81 Menu mode)
✱27	POWERLINE CARRIER DEVICE (X–10) HOUSE CODE	[0]	0 = A; 1 = B, 2 = C, 3 = D, 4 = E, 5 = F, 6 = G, 7 = H, 8 = I, 9 = J, #10 = K, #11 = L, #12 = M, #13 = N, #14 = O, #15 = P UL: not for fire or UL installations
✱28	ACCESS CODE FOR PHONE MODULE	[00] (Partition 1 only)	00 = disable; 1st digit: enter 1–9; 2nd digit: enter # + 11 for "✱", or # + 12 for "#". UL: must be "00" for UL Commercial Burg. installations
✱ 29	LONG RANGE RADIO OUTPUT	[0]	0 = disable; 1 = enable
ZONE SOUNDS AND TIMING (✱31 – ✱39)			
✱31	SINGLE ALARM SOUNDING per ZONE	[0]	0 = no UL: must be "0"; 1 = yes
✱32	FIRE ALARM SOUNDER TIMEOUT	[0]	0 = sounder stops at timeout; 1 = no sounder timeout UL: must be "1" for fire install.
✱33	ALARM SOUNDER (BELL) TIMEOUT	[1]	0 = none; 1 = 4 min; 2 = 8 min; 3 =12 min; 4 = 16 min; UL: For residential fire alarm installation, must be set for a minimum of 4 min (option 1); for UL Commercial Burglary installations, must be minimum 16 min (option 4)
✱34	EXIT DELAY	[60,60] Part. 1 Part. 2	00 - 96 = 0 - 96 secs; 97 = 120 secs SIA Installations: minimum exit delay is 45 seconds UL: see inst. instr. for requirements. Common zones use same delay as partition 1.
✱35	ENTRY DELAY #1 (zone type 01)	[30,30] Part. 1 Part. 2 Common zones use same delay as partition 1.	00 - 96 = 0 - 96 seconds 97 = 120 seconds 98 = 180 seconds 99 = 240 seconds SIA Installations: minimum entry delay is 30 seconds For UL Residential Burglary Alarm installations, must be set for a maximum of 30 seconds; entry delay plus dial delay should not exceed 1 min. For UL Commercial Burglar Alarm, total entry delay may not exceed 45 seconds.
✱36	ENTRY DELAY #2 (zone type 02)	[30,30] Part. 1 Part. 2	See *35 Entry Delay 1 above for entries.
✱37	AUDIBLE EXIT WARNING	[1,1]	0 = no; 1 = yes SIA Installations: must be enabled (enter 1)
✱38	CONFIRMATION OF ARMING DING	[0,0] Part. 1 Part. 2	0 = no; 1 = yes (wired keypads and RF) 2 = yes, RF only UL: must be "1" for UL Commercial Burglar Alarm inst.
✱39	POWER UP IN PREVIOUS STATE	[1]	0 = no; 1 = yes UL: must be "1"

DIALER PROGRAMMING (✱40 – ✱42)

Do not fill unused spaces. Enter 0–9; #+11 for '✱'; #+12 for '#'; #+13 for a 2-second pause. If fewer than the maximum digits entered, exit the field by pressing [✱]. The next data field number is displayed.

✱ 40 PABX ACCESS CODE — Enter up to 6 digits. To clear entries, press ✱40✱. If call waiting used, enter "✱ (#+11) 70" plus "# + 13" (pause).

✱ 41 PRIMARY PHONE No.

✱ 42 SECOND PHONE No.

Enter up to 20 digits. To clear entries, press ✱41✱ or ✱42✱ respectively.

NOTE: Entry of a number other than one specified will give unpredictable results.
For fields *43 thru *46: Enter 0–9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; #+15 for F. Enter [✱] as the fourth digit if a 3-digit account number (for 3+1 dialer reporting format) is used. Enter 0 as the first digit of a 4-digit account number for Nos. 0000-0999. Exit field by pressing ✱ if only 3 digits are used. E.g., For Acct. **B234**, enter: [#+11 | 2 | 3 | 4]

✱ 43	PARTITION 1 PRIMARY ACCT. No.	[| | | / | | | | |]	Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above. To clear entries, press *43*. [FFFF]
✱ 44	PART. 1 SECONDARY ACCT. No.	[| | | / | | | | |]	Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above. To clear entries, press *44*. [FFFF]
✱ 45	PARTITION 2 PRIMARY ACCT. No.	[| | | / | | | | |]	Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above. To clear entries, press *45*. [FFFF]
✱ 46	PARTITION 2 SECONDARY ACCT. No.	[| | | / | | | | |]	Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above. To clear entries, press *46*. [FFFF]
✱47	PHONE SYSTEM SELECT	[ ] [1]	If Cent. Sta. *IS NOT* on a WATS line: 0=Pulse; 1=Tone; if Cent. Sta. *IS* on a WATS line: 2 = Pulse; 3 = Tone
✱48	REPORT FORMAT	[ ] primary [ ] secondary [77]	0 = 3+1, 4+1 ADEMCO L/S STANDARD 1 = 3+1, 4+1 RADIONICS STANDARD 2 = 4+2 ADEMCO L/S STANDARD 3 = 4+2 RADIONICS STANDARD 5 = 10-digit ADEMCO CONTACT ID® REPORTING 6 = 4+2 ADEMCO EXPRESS 7 = 4-digit ADEMCO CONTACT ID® REPORTING 8 = 3+1, 4+1 ADEMCO L/S EXPANDED 9 = 3+1, 4+1 RADIONICS EXPANDED
✱49	SPLIT/DUAL REPORTING	[ ] [0]	0 = Standard/backup reporting only (all to primary)

Primary Phone No.	2nd Phone No.
1 = Alarms, Restore, Cancel	Others
2 = All except Open/Close, Test	Open/Close, Test
3 = Alarms, Restore, Cancel	All
4 = All except Open/Close, Test	All
5 = All	All

✱50	BURGLARY DIALER DELAY	[ ] [2]	0 = no delay [UL: must be "0"] 1 = 15 seconds 2 = 30 seconds 3 = 45 seconds SIA Installations: delay must be minimum of 30 seconds
✱53	SESCOA/RADIONICS SELECT	[ ] [0]	0 = Radionics (0-9, B-F) 1 = SESCOA (0-9 only reporting) Select "0" for all other formats.
✱54	DYNAMIC SIGNALING DELAY	[ ] [0]	Select delay from 0 to 225 secs, in 15-sec increments. 0 = no delay (both signals sent), 1 = 15 secs, 2 = 30 secs, etc. UL: Grade AA must be "0;" Grade A must be "15" max
✱55	DYNAMIC SIGNALING PRIORITY	[ ] [0]	0 = Primary Dialer first; 1 = Long Range Radio first. For UL Commercial Burglary installations that use a DACT and LRR, this field must be "0".

✱56, *57, *58 MENU MODES — These are Menu Mode commands, not data fields, for Zone Programming, Function Key Programming, and Expert Mode Zone Programming respectively. See page 2 and their respective sections in the Installation and Setup Guide for procedures.

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (✱59 thru *68, *70 thru ✱76, and ✱89):
For 3+1 or 4+1 Standard Format: Enter a code in the *first* box: 1–9, #+10 for 0, #+11 for B, #+12 for C, #+13 for D, #+14 for E, #+15 for F.
A 0 (*not* #+10) in the *first* box will disable a report. A 0 (*not* #+10) in the *second* box will result in automatic advance to the next field.
For Expanded or 4+2 Format: Enter codes in *both* boxes (1st and 2nd digits) for 1–9, 0, or B–F, as described above.
A 0 (*not* #+10) in the *second* box will eliminate the expanded message for that report. A 0 (*not* #+10) in *both* boxes will disable the report.
For Ademco Contact ID® Reporting: Enter any digit (other than 0) in the *first* box, to enable zone to report (entries in the *second* boxes are ignored).
A 0 (*not* #+10) in the *first* box disables the report. [UL: see installation instructions for requirements]

SYSTEM STATUS REPORT CODES (✱59–✱ 68)

✱59	EXIT ERROR REPORT CODE	[ ] [0]	See box above.
✱60	TROUBLE REPORT CODE	[|] [00]	See box above.
✱61	BYPASS REPORT CODE	[|] [00]	See box above.
✱62	AC LOSS REPORT CODE	[|] [00]	See box above.
✱63	LOW BAT REPORT CODE	[|] [00]	See box above.
✱64	TEST REPORT CODE	[|] [00]	See box above. Use Scheduling mode to set periodic test reports, or use the following key commands:

Each mode sets schedule 32 (FA168CPS) or schedule 08 (FA148CP) to the stated repeat option; first test report sent 12 hours after command.

installer code +[#] + [0] + 0 = test report sent every 24 hours
installer code +[#] + [0] + 1 = test report sent once per week
installer code +[#] + [0] + 2 = test report sent every 28 days

Field	Description	Entry [default]	Options
✱65	OPEN REPORT CODE	Part. 1 / Part. 2 / Common [0,0,0]	See box above.
✱66	ARM AWAY/STAY RPT CODE	Away Stay (Part. 1) / Away Stay (Part. 2) / Away Stay (Common) [0,0,0,0,0,0]	See box above.
✱67	RF XMTR LOW BAT REPORT CODE	[00]	See box on previous page. UL: must be enabled if wireless devices are used
✱68	CANCEL REPORT CODE	[00]	See box on previous page.

RESTORE REPORT CODES (✱70 – ✱76)

Field	Description	Entry [default]	Options
✱70	ALARM RESTORE RPT CODE	[0]	See box on previous page.
✱71	TROUBLE RESTORE RPT CODE	[00]	See box on previous page.
✱72	BYPASS RESTORE RPT CODE	[00]	See box on previous page.
✱73	AC RESTORE RPT CODE	[00]	See box on previous page.
✱74	LOW BAT RESTORE RPT CODE	[00]	See box on previous page.
✱75	RF XMTR LO BAT RST RPT CODE	[00]	See box on previous page. UL: must be enabled if wireless devices are used
✱76	TEST RESTORE RPT CODE	[00]	See box on previous page.

OUTPUT AND SYSTEM SETUP (✱77 – ✱93)

Field	Description	Entry [default]	Options
✱ 77	DAYLIGHT SAVINGS TIME START\END MONTH	[4][10]	0 = Disabled 1-12 = January-September (1 = Jan, 2 = Feb, etc) #+10 = October; #+11 = November; #+12 = December
✱ 78	DAYLIGHT SAVINGS TIME START\END WEEKEND	[1][5]	0 = disabled, 1 = first, 2 = second, 3 = third 4 = fourth, 5 = last, 6 = next to last, 7 = third to last
*79, *80, *81, *82	MENU MODES		These are Menu Mode commands, not data fields, for Output Device Mapping, Output Programming, Zone List Programming, and Alpha Programming respectively. See page 2 and their respective sections in the Installation and Setup Guide for procedures.
✱84	AUTO STAY ARM	[3]	0 = no, 1 = partition 1 only 2 = partition 2 only, 3 = both partitions
✱85	CROSS ZONE TIMER This option not for use in UL installations.	[0] (assign cross zones on zone list 4, using *81 Menu mode)	0 = 15 seconds, 1 = 30 seconds, 2 = 45 seconds, 3 = 60 seconds, 4 = 90 seconds, 5 = 2 minutes 6 = 2-1/2 min, 7 = 3 min, 8 = 4 min, 9 = 5 min, #+10 = 6 min, #+11 = 7 min #+12 = 8 min, #+13 = 10 min, #+14 = 12 min, #+15 = 15 min
✱86	CANCEL VERIFY KEYPAD DISPLAY	[1]	0 = no, 1 = yes
✱87	MISC. FAULT DELAY TIME (used with Configurable Zone Types “digit 6”)	[0] UL: may only be used on non-burglar alarm/ non-fire alarm zones when used in fire and/or UL burglar alarm installation	0 = 15 seconds, 1 = 30 seconds, 2 = 45 seconds, 3 = 60 seconds, 4 = 90 seconds, 5 = 2 minutes 6 = 2-1/2 min, 7 = 3 min, 8 = 4 min, 9 = 5 min, #+10 = 6 min, #+11 = 7 min #+12 = 8 min, #+13 = 10 min, #+14 = 12 min, #+15 = 15 min
✱88	PROGRAM MODE LOCKOUT OPTIONS	[0]	0 = standard *98 installer code lockout (reentry only by downloader or [*] + [#] within 50 secs after power up) 1 = lockout [*] + [#] reentry after *98 exit (reenter via installer code or downloader only) 2 = not used 3 = lockout all local programming after *98 exit (reentry via downloader only)
✱89	EVENT LOG FULL REPORT CODE	[00]	See box on previous page for report code entries.
✱90	EVENT LOG ENABLES	[3] **NOTE***:* System messages are logged when any non-zero selection is made.	0 = None; 1 = Alarm/Alarm Restore 2 = Trouble/Trouble Restore; 4 = Bypass/Bypass Restore; 8 = Open/Close. *Example:* To select “Alarm/Alarm Restore”, and “Open/Close”, enter 9 (1 + 8); To select all, enter #15.
✱91	OPTION SELECTION	[8] SIA Installations: Exit Delay should be enabled.	0 = None 2 = Sounder Delay (delays sounding by 15 seconds) UL: if used, entry delay (*35) must be 30 sec. max. 4 = AAV UL: must use ADEMCO UVCM module 8 = Exit Delay Restart/Reset UL: must be disabled #+12 = AAV and Exit Delay Restart/Reset

✱92 PHONE LINE MONITOR ENABLE [0,0] (entries 1, 2)

UL: see Inst. Instructions for requirements

NOTE: Output Device must either be programmed to be STOPPED in field ✱80 or STOPPED by Code + # + 8 + output number.

Entry 1:: 0 = disabled, 1-15 = 1 min - 15 min (#+10 = 10 min; #+11 = 11 min; #+12 = 12 min; #+13 = 13 min; #+14 = 14 min; #+15 = 15 min)

Entry 2:
0 = Keypad display when line is faulted
1 = Keypad display plus keypad trouble sound
2 = Same as "1", plus programmed output device STARTS. If either partition is armed, external sounder activates also.

✱93 No. OF REPORTS IN ARMED PERIOD PER ZONE (Swinger Suppression) [1]

0 = Unlimited Reports; 1 = 1 report; 2 = 2 reports
UL: must be "0"
SIA Installations: Must be set for option 1 or 2.

DOWNLOAD INFORMATION (✱94, ✱95)

✱94 DOWNLOAD PHONE No.

Enter up to 20 digits, 0–9; #+11 for '✱'; #+12 for '#'; #+13 for a 2-second pause. Do not fill unused spaces. If fewer than 20 digits, exit field by pressing ✱. To clear entries from field, press ✱94✱.
UL: downloading may be performed only if a technician is at the site.

✱95 RING COUNT FOR DOWNLOADING [15]

NOTE: Do not enter "0" if using FA4285/FA4286 Phone Module.

0 = Disable Station Initiated Download;
1–14 = number of rings (1–9, # +10 =10, # +11 =11, # +12 =12, # +13 =13, # +14 =14);
15 = answering machine defeat (# +15 =15).

✱**96,** ✱**97** INITIALIZE/RESET DEFAULTS — These are commands, not data fields. See page 2.

✱**98, *99** EXIT COMMANDS — These are commands, not data fields. See page 2.

PAGER OPTIONS (✱160- ✱172)

✱160 PAGER 1 PHONE No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱161 PAGER 1 CHARACTERS

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱162 PAGER 1 REPORT OPTIONS — Part. 1 Part. 2 common [0,0,0]

For each partition, select from the following options:
0 = no reports sent
1 = Open/closes all users
4 = All alarms and troubles
5 = All alarms / troubles, and open/closes for all users
12 = Alarms / troubles for zones entered in zone list 9
13 = Alarms / troubles for zones entered in zone list 9, and open/closes for all users

✱163 PAGER 2 PHONE No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱164 PAGER 2 CHARACTERS

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱165 PAGER 2 REPORT OPTIONS [0,0,0] — Part. 1 Part. 2 common

See field *162 for reporting options. Select for each partition (use zone list 10 if using options 12 or 13).

✱166 PAGER 3 PHONE No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱167 PAGER 3 CHARACTERS

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱168 PAGER 3 REPORT OPTIONS 0,0,0] — Part. 1 Part. 2 common

See field *162 for reporting options. Select for each partition (use zone list 11 if using options 12 or 13).

✱169 PAGER 4 PHONE No.

Enter up to 20 digits. 0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱170 PAGER 4 CHARACTERS

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '✱'; #+12 = '#'; #+13 = 2-second pause.

✱171 PAGER 4 REPORT OPTIONS [0,0,0] — Part. 1 Part. 2 common

See field *162 for reporting options. Select for each partition (use zone list 12 if using options 12 or 13).

✱172 PAGER DELAY OPTION FOR ALARMS [3]

0 = none, 1 = 1 minute, 2 = 2 minutes, 3 = 3 minutes
This delay is for ALL pagers in the system.

MISCELLANEOUS SYSTEM FIELDS (*174-*181)

Field	Description	Entry [default]	Options
✱174	CLEAN ME REPORTING OPTIONS (for ESL smoke detectors)	☐ [0]	0 = disable; 1 = Clean Me signal reports; ***Note:*** If Clean Me is enabled, you must enter "3" in field ✱56 programming for zone 1 response time.
✱177	DEVICE DURATION 1, 2 (used in *80 Menu mode-Device Actions 5/6)	☐ 1 ☐ 2 [0] [0]	0 = 15 seconds; 1 = 30 seconds; 2 = 45 seconds; 3 = 60 seconds; 4 = 90 seconds; 5 = 2 minutes; 6 = 2-1/2 min; 7 = 3 min; 8 = 4 min; 9 = 5 min; #+10 = 6 min; #+11 = 7 min; #+12 = 8 min; #+13 = 10 min; #+14 = 12 min; #+15 = 15 min
✱181	50/60 HERTZ AC OPERATION	☐ [0]	0 = 60 Hz; 1 = 50 Hz

CONFIGURABLE ZONE TYPE OPTIONS (*182-*185)

✱182 CONFIGURABLE ZONE TYPE 90

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

Enter the appropriate value for each entry, 1-10, based on the charts provided on the next page. Each entry is the sum of the values of its selected options (0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).

UL: Do not configure zones as a fire alarm or UL burglar alarm zone.

✱183 ZONE TYPE 90 REPORT CODES
IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789. See important note in installation instructions.

90 ALARM ID: XXX
TROUBLE ID: XXX

Enter the desired 3-digit Contact ID® report codes for alarms and troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor back, [*] moves forward. Press [*] when done to continue.

✱184 CONFIGURABLE ZONE TYPE 91

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

Enter the appropriate value for each entry, 1-10, based on the charts provided on the next page. Each entry is the sum of the values of its selected options (0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).

UL: Do not configure zones as a fire alarm or UL burglar alarm zone.

✱185 ZONE TYPE 91 REPORT CODES
IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789. See important note in installation instructions.

91 ALARM ID: XXX
TROUBLE ID: XXX

Enter the desired 3-digit Contact ID® report codes for alarms and troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor back, [*] moves forward. Press [*] when done to continue.

TOUCH SCREEN DEVICE (AUI) ENABLE

✱189 AUI DEVICE 1 and 2 ENABLE (for Touch Screen style keypads)

NOTE: System supports up to two touch screen style keypads (e.g. Symphony Advanced User Interface, and 6270 Touch Screen keypad).

☐ AUI 1 ☐ AUI 2 [1] [1]

AUI 1: Must set AUI address to 1
AUI 2: Must set AUI address to 2
(see Inst. Instr. for details)

Enter each touch screen (AUI) device's home partition.
0 = disabled
1 = partition 1; 2 = partition 2; 3 = partition 3 (common)
NOTE: A minimum of one standard keypad must also be installed when AUI is used. Use of AUI does not affect the number of standard keypads supported.

KEYPAD OPTIONS *190-*196 (NOTE: Options for keypad address 16 are set by the factory and cannot be changed.)

NOTE: Each keypad must be assigned a unique address. Keypads programmed with the same address will give unpredictable results.

✱190 KEYPAD 2 DEVICE ADDRESS 17

☐ Partition/Enable† ☐ Sound [0] [0]

†FA168CPS: enter partition
FA148CP: 1 = enable; 0 = disable

Partition: 0 = keypad disabled; 1-3 = part. no. (3 = com)
Sound: 0 = no suppression
1 = suppress arm/disarm and E/E beeps
2 = Suppress chime beeps only
3 = suppress arm/disarm, E/E, and chime beeps

Field	Description	Part./Enable†	Sound	Default	Options
✱191	KEYPAD 3 DEVICE ADDRESS 18	☐	☐	[0] [0]	See field ∗190 for entries.
✱192	KEYPAD 4 DEVICE ADDRESS 19	☐	☐	[0] [0]	See field ∗190 for entries.
✱193	KEYPAD 5 DEVICE ADDRESS 20	☐	☐	[0] [0]	See field ∗190 for entries.
✱194	KEYPAD 6 DEVICE ADDRESS 21	☐	☐	[0] [0]	See field ∗190 for entries.
✱195	KEYPAD 7 DEVICE ADDRESS 22	☐	☐	[0] [0]	See field ∗190 for entries.
✱196	KEYPAD 8 DEVICE ADDRESS 23	☐	☐	[0] [0]	See field ∗190 for entries.

Field	Description	Entry [default]	Options
✱197	EXIT TIME DISPLAY INTERVAL	☐ [0]	0 = no display; 1-5 = seconds between display refresh **NOTE:** If enabled and using only 2-digit fixed-word keypads (e.g., FA245RF), do not set exit delay time greater than 96 seconds. See Inst. Instr. for explanation.
✱198	DISPLAY PARTITION NUMBER (FA168CPS; for Alpha Display Keypads)	☐ [0]	0 = no; 1 = yes (partition no. appears on Alpha Display)
✱199	ECP FAIL DISPLAY	☐ [0]	0 = 3-digit display ("1" + device address) 1 = 2-digit fixed-display as "91"

Configurable Zone Types Worksheets

Configurable zone types 90 and 91 can be programmed via downloader software or from a keypad using data fields*182-*185. Configurable zone types 92 and 93 (FA168CPS only) can only be programmed using the downloader software.

Programming Configurable Zone Type options involves making 10 entries in data field *182 for zone type 90 and field *184 for zone type 91, where each entry represents the sum of the values of the various options shown in the tables below. Use fields *183 and *185 to program Contact ID report codes for these zone types.

ENTRY 1 (See note 5 for RF zones)		**ENTRY 2** (See note 5 for RF zones)		
Response when system disarmed and zone is:			**Auto Restore**	**Vent Zone**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault	0 = no 4 = yes	0 = no 8 = yes
Entry 1 = EOL + Open		Entry 2 = Short + auto restore + vent zone		

ENTRY 3 (See note 5 for RF zones)		**ENTRY 4** (See note 5 for RF zones)		
Response when armed STAY and zone is:			**Byp. when disarmed**	**Byp. when armed**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault	0 = no 4 = yes	0 = no 8 = yes
Entry 3 = EOL + Open		Entry 4 = Short + byp. disarmed + byp. armed		

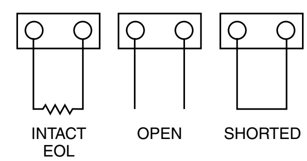
ENTRY 5 (See note 5 for RF zones)		**ENTRY 6** (See note 5 for RF zones)		
Response when armed AWAY and zone is:			**Dial Delay (see field *50)**	**Fault Delay (see field *87)**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault	0 = no 4 = use delay	0 = no 8 = use delay see note 1
Entry 5 = EOL + Open		Entry 6 = Short + dial delay + fault delay		

ENTRY 7		**ENTRY 8**		
Display Faults	**Power Reset/ Verification**	**Use Entry Delay 1/2**	**Use Exit Delay**	**Respond as Interior Type**
0 = show alarms when armed & disarmed 1 = don't show alarms when armed (show alarms, trbles, faults when disarmed) 3 = never show any alarms, trbles, faults	0 = no 4 = power reset after fault (by code + OFF) 12 = verification (see zone type 16)	0 = no 1 = delay 1 2 = delay 2	0 = no 4 = use exit delay	0 = no 8 = yes see note 2
Entry 7 = fault display + power reset/verification		Entry 8 = entry delay 1/entry delay 2 + exit delay + interior zone type		

ENTRY 9			**ENTRY 10**	
Alarm Sounds	**Use Bell Timeout**	**Respond as Fire Zone**	**Trouble Sounds**	**Chime when Chime Mode On**
0 = none 1 = steady keypad 2 = steady bell and keypad 3 = pulsing bell and keypad	0 = no 4 = yes see fields *32, *33	0 = no 8 = yes see zone type 09; see note 4	0 = none 1 = periodic beep 2 = trouble beeps	0 = no 4 = yes
Entry 9 = alarm sounds + bell timeout + fire zone			Entry 10 = trouble sounds + chime	

Entries for Fields *182 and *184		
Entry	**Zone Type 90 (field *182)**	**Zone Type 91 (field *184)**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

To calculate the value for each entry: Simply add the values of the selected options in each of the entry's columns (one option per column). For example, to program Entry 2 for "alarm response to short," "auto restore on," but not a "vent zone," enter 5 ("1" for alarm short + "4" for auto restore yes + "0" for vent zone no).



Zone Conditions Represented in Entries 1-6

NOTES:

1. Do not use the "fault delay" option with a configurable zone type if it is set for an entry or exit delay, otherwise unpredictable results may occur.
2. To create an interior type zone, select "respond as interior zone type" (entry 8, interior type = yes), and set zone response to "fault" in entries 3-4 to ensure fault displays; do not set as "normal," "alarm," or "trouble."
3. Do not set fire zones to respond as a "fault" (entries 1-6), otherwise faults will not display unless the [∗] key is pressed.
4. 4219/4229 modules must use EOLRs or unpredictable results may occur.
5. RF Zones: The "open" option in entries 1, 3, and 5 is not applicable for RF zones. Use the "intact EOL" option for normal RF zone conditions and "shorted" for off-normal RF zone conditions.
6. a. Zone-Doubling/Double-Balanced: A short on either zone of a zone-doubled pair or on a double-balanced zone causes a tamper condition.
   b. For double-balanced zones, this entry must be "0."
   c. For zone-doubled zones, **both** zones of the doubled pair must be assigned the same response to a short.

*56 ZONE PROGRAMMING WORKSHEET (FA148CP supports up to 32 zones: 1-6, 9-34, 49-56) [default shown in brackets]

Zone	Zn Type	Part.	Report	Hardwire Type	Rsp. Time	Location
1	[09]	[1]		[EOL]	[1]	
2	[01]	[1]		[EOL]	[1]	
3	[03]	[1]		[EOL]	[1]	
4	[03]	[1]		[EOL]	[1]	
5	[03]	[1]		[EOL]	[1]	
6	[03]	[1]		[EOL]	[1]	
7	[03]	[1]		[EOL]	[1]	
8	[03]	[1]		[EOL]	[1]	

Zone	Zn Type	Part.	Report	Input Type	Loop	Serial No.	Location
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
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27							
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29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49		[1]		[BR]			
50		[1]		[BR]			
51		[1]		[BR]			
52		[1]		[BR]			
53		[1]		[BR]			
54		[1]		[BR]			
55		[1]		[BR]			
56		[1]		[BR]			
57		[1]		[BR]			
58		[1]		[BR]			
59		[1]		[BR]			
60		[1]		[BR]			
61		[1]		[BR]			
62		[1]		[BR]			
63		[1]		[BR]			
64		[1]		[BR]			
95	[00]			N/A	N/A	N/A	keypad [1] / [*]
96	[00]			N/A	N/A	N/A	keypad [3] / [#]
99	[06]			N/A	N/A	N/A	keypad [*] / [#]

NOTES:
Zone Type: see chart on page 12;

Report Code: enabled if any digit entered as 1st digit;

Hardwire Type (zns 1-8):
- 0 = EOL
- 1 = NC
- 2 = NO
- 3 = ZD
- 4 = DB

Input Type:
- 2 = AW (zones 9-48)
- 3 = RF (zones 9-48)
- 4 = UR (zones 9-48)
- 5 = BR (zones 49-64)

NOTE: Zones 9-16 not available if zone doubling enabled.

Response Time:
- 0 = 10msec
- 1 = 350msec
- 2 = 700msec
- 3 = 1.2 sec

Reserved Zones

91 = addressable device report enable/disable default zone type = [05].

92 = Duress report enable/disable

*57 FUNCTION KEY PROGRAMMING

Option	Function	A	B	C	D	Comments
01	Paging					
02	Time Display					
03	Arm AWAY					
04	Arm STAY					
05	Arm NIGHT-STAY					
06	Step Arming					
07	Device Activation					Device:
08	Comm. Test					
09	Macro Key 1					
10	Macro Key 2					
11	Macro Key 3					
12	Macro Key 4					
00	Emergency Keys:	zone 95	zone 99	zone 96	paging	
	Personal Emergency				n/a	
	Silent Alarm				n/a	
	Audible Alarm				n/a	
	Fire				n/a	
	Emergency Keys: A = paired keys [1] / [*] (zone 95); B = paired keys [*] / [#] (zone 99); C = paired keys [3] / [#] (zone 96)					

OUTPUT RELAYS/POWERLINE CARRIER (X-10) DEVICES WORKSHEET FOR *79, *80 and *81.

Applicable only if Relays and/or Powerline Carrier Devices are to be used.

*79 RELAY/POWERLINE CARRIER (X-10) DEVICE MAPPING (Must program before using *80)

	OUTPUT TYPE			
	Relay		X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
01				
02				
03				
04				
05				
06				
07				
08				

	OUTPUT TYPE (09-16 apply to FA168CPS only)			
	Relay		X10	
Output No.	Module Addr.	Pos (1-4)	Unit No.	Description
09				
10				
11				
12				
13				
14				
15				
16				
17	On-Board Trigger 1			norm output =
18	On-Board Trigger 2			norm output =

*81 ZONE LISTS FOR OUTPUT DEVICES

Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

NOTE: Record desired zone numbers below, noting that a list may include *any* or *all* of system's zone numbers.

List No.	Used For…	Contains These Zones…
01	General Purpose (GP)	
02	General Purpose	
03	Chime-by-Zone or GP	
04	Cross Zones	
05	Night-Stay Zones or GP	
06	General Purpose	
07	General Purpose	
08	General Purpose	
09	Zones activating pager 1	
10	Zones activating pager 2	
11	Zones activating pager 3	(FA168CPS)
12	Zones activating pager 4	(FA168CPS)

✱80 OUTPUT DEFINITIONS

Fill in the required data on the worksheet below and follow the programming procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Notes: **1.** For Relays, 4229 and 4204 devices are programmed in *79, *80, and *81 modes.
2. For Powerline Carrier devices (plcd), field ✱27 must be programmed with a House Code.
3. Tampers of expansion units cannot be used to operate devices.

Output Function Number (FA168CPS: 1-48) (FA148CP: 1-24)	Activation Type and Detail				Partition Number (P) (if using ZT trig) 0 = any 1 = partition 1 2 = partition 2 3 = common	Event (for zone list/activated by)		Action 0 = off 1 = close 2 secs 2 = stay closed 3 = pulse 4 = toggle 5 = duration 1†† 6 = duration 2††	Output Number FA168CPS: 1-18 FA148CP: 1-8, 17, 18	Device Type R = relay T = trigger X = X10
	Activated by 0=delete 1=zn list 2=zn type 3=zn no.	Zone List (ZL) 1-8 = list	Zone Type (ZT) (see table below)	Zone No. (ZN) 00=none FA168CPS: 01-64 FA148CP: 01-06, 09-34, 49-56		By Zone List 0 = restore 1 = alarm 2 = fault 3 = trouble	By Zone No. 0 = restore 1 = alrm/flt/trbl			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
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43										
44										
45										
46										
47										
48										

ZONE TYPE/SYSTEM OPERATION – Choices for Zone Types are:

00 = Not Used
01 = Entry/Exit#1
02 = Entry/Exit#2
03 = Perimeter
04 = Interior Follower
05 = Trouble Day/Alarm Night
06 = 24 Hr Silent
07 = 24 Hr Audible
08 = 24 Hr Aux
09 = Fire
10 = Interior w/Delay
12 = Monitor Zone
14 = Carbon Monoxide
16 = Fire w/Verification
23 = No Alarm Response
24 = Silent Burglary
77 = Keyswitch
81 = AAV Monitor Zone
90-91 = Configurable

Choices for System Operation are:

20 = Arming–Stay
21 = Arming–Away
22 = Disarming (Code + OFF)
31 = End of Exit Time
32 = Start of Entry Time
33 = Any Burglary Alarm
36 = **At Bell Timeout***
38 = Chime
39 = Any Fire Alarm
40 = Bypassing
41 = **AC Power Failure
42 = **System Battery Low
43 = Communication Failure
52 = Kissoff
54 = Fire Zone Reset
58 = Duress
60 = AAV Trigger
66 = Function key†
67 = Bell Failure
68 = TELCO Line Fault
78 = Keyswitch red LED†††
79 = Keyswitch green LED†††

Note: In normal operation mode:
Code + # + 7 + NN Key Entry **starts** Device
Code + # + 8 + NN Key Entry **stops** Device

** Use 0 (any) for Partition No. (P) entry.
*** Or at Disarming, whichever occurs earlier.
† Use *57 Menu mode to assign the function key.
†† Duration is set in program field *177.
††† Device action not used for these choices.

Zone Type Definitions

Type 00
Zone Not Used

Use this zone type if the zone is not used.

Type 01
Entry/Exit Burglary #1

- Assign to zones that are used for primary entry and exit.
- Provides entry delay if the control is armed in the Away or Stay modes.
- No entry delay is provided when the panel is armed in the Instant mode.
- Entry delay #1 is programmable for each partition.
- Exit delay begins whenever the control is armed, regardless of the arming mode selected, and is independently programmable.

Type 02
Entry/Exit Burglary #2

- Assign to zones that are used for entry and exit and require more time than the primary entry/exit point.
- Provides a secondary entry delay, in same manner as entry delay #1.
- Entry delay #2 is programmable for each partition.
- Exit delay is same as described for Type 01.

Type 03
Perimeter Burglary

- Assign to all sensors or contacts on exterior doors and windows.
- Provides an instant alarm if the zone is faulted when the panel is armed in the Away, Stay, Instant, or Maximum modes.

Type 04
Interior Follower

- Assign to a zone covering an area such as a foyer, lobby, or hallway through which one must pass upon entry (to and from the keypad).
- Provides a delayed alarm (using the programmed entry/exit time) if the entry/exit zone is faulted first. Otherwise this zone type gives an instant alarm.
- Active when the panel is armed in the Away mode.
- Bypassed automatically when the panel is armed in the Stay or Instant modes.

Type 05
Trouble by Day/
Alarm by Night

- Assign to a zone that contains a foil-protected door or window (such as in a store), or to a zone covering a sensitive area such as a stock room, drug supply room, etc.
- Can also be used on a sensor or contact in an area where immediate notification of an entry is desired.
- Provides an instant alarm if faulted when armed in the Away, Stay, Instant or Maximum (night) modes.
- During the disarmed state (day), the system will provide a latched trouble sounding from the keypad (and a central station report, if desired).

Type 06
24-hour Silent Alarm

- Usually assigned to a zone containing an emergency button.
- Sends a report to the central station but provides no keypad display or sounding.

Type 07
24-hour Audible Alarm

- Assign to a zone that has an emergency button.
- Sends a report to the central station, and provides an alarm sound at the keypad, and an audible external alarm.

Type 08
24-hour
Auxiliary Alarm

- Assign to a zone containing an emergency button, or to a zone containing monitoring devices such as water or temperature sensors.
- Sends a report to the central station and provides an alarm sound at the keypad. **(No bell output is provided.)**

Type 09
Fire

- Provides a fire alarm on short circuit and a trouble condition on open circuit. A fire alarm produces a pulsing bell output.
- This zone type is always active and cannot be bypassed.

  Note: Hardwired zone 1 should be used with 2-wire smoke detectors; zones 2-8 can be used with 4-wire smoke detectors; any wireless zone can be used as a fire zone.

Type 10
Interior w/Delay

- Provides entry delay (using the programmed entry time), if tripped when the panel is armed in the Away mode.
- Entry Delay begins whenever sensors in this zone are violated, regardless of whether or not an entry/exit delay zone was tripped first.
- Bypassed when the panel is armed in the Stay or Instant modes.

Type 12
Monitor Zone

- Works as a dynamic monitor of a zone fault/trouble. In the case of a short/open, the message, "**ALARM-24 Hr. Non-Burg. -#XXX** " (where XXX is the zone number) will be sent to the Central Station. The system keypad will display a "check" message indicating the appropriate zone (but keypad beeping does not occur). Upon restoral of the zone, the message, "**RESTORE-24 Hr. Non-Burg. -#XXX** " will be sent to the Central Station.
- The "check" message will automatically disappear from the keypad dynamically when the zone restores; a user code + off sequence is not needed to reset the zone.
- Faults of this zone type are independent of the system, and can exist at the time of arming without interference.
- Since this is a "trouble" zone type, do not use this zone type with relays set to activate upon "alarm."

Type 14
Carbon Monoxide

- Assigned to any zone with a carbon monoxide detector.
- The bell output will pulse when this zone type is alarmed.
- Always active and cannot be bypassed.

Type 16
Fire w/Verification

- Provides a fire alarm when zone is shorted, but only after alarm verified.
- System verifies alarm by resetting zones for 12 seconds after short is detected. A subsequent short circuit within 90 seconds triggers fire alarm.
- Provides a trouble response when zone is open.

Type 20
Arm-Stay

- Arms the system in Stay mode when the zone is activated.
- Pushbutton units send the user number to the central station when arming or disarming.
- User code for button must be assigned.

Type 21 Arm-Away	• Arms the system in Away mode when the zone is activated. • Pushbutton units send the user number to the central station when arming or disarming. • User code for button must be assigned.
Type 22 Disarm	• Disarms the system when the zone is activated. • User code for button must be assigned.
Type 23* No Alarm Response	• Can be used on a zone when an output relay action is desired, but with no accompanying alarm (e.g., lobby door access).
Type 24 Silent Burglary	• Usually assigned to all sensors or contacts on exterior doors and windows where bells and/or sirens are NOT desired. • Provides an instant alarm, with NO audible indication at any keypad or external sounder, if the zone is faulted when the system is armed in the Away, Stay, Instant, or Maximum modes. • A report is sent to the central station.
Type 77 Keyswitch	• Assign to zone wired to a keyswitch.
Type 81 AAV Monitor Zone	• Assign to zone connected to AAV module. • Monitors 2-way voice sessions as follows: - When the zone is faulted, all alarm sounding and dialer reporting stops, except for fire alarms, which immediately terminate the voice session and cause a fire report to be sent. - When the zone is restored (session ended), sounding resumes (if bell timeout has not expired) and reports that were stopped are sent.
Types 90-93 Installer Defined	• These zone types can be programmed for various custom responses. See data fields *182-*185. • Types 92 and 93 can only be programmed via the downloader. UL: Zone types 90-93 may not be used as fire or burglar zones in fire or UL burglar alarm installations.

*The system can still be armed when these zone types are in a faulted condition.

Schedules (installer code + [#] + [6] [4]; *master code can only access schedules 01-16 for FA168CPS, 01-04 for FA148CP, and events 00-07 for both controls; FA148CP supports up to 8 schedules, FA168CPS supports up to 32 schedules*)

No.	Event (see list below)	Device No. for "01" events: enter 01-18	Group No. for "02" events: enter 1-8	Partition for "04-06" events: enter 1, 2, or 3	Start Time/ Days	Stop Time/ Days	Repeat (1-4)	Random (yes/no)
01								
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
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23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

Events: Master/Installer
- 00 = clear event
- 01 = device on/off
- 02 = user access
- 03 = latch key report
- 04 = forced STAY arm
- 05 = forced AWAY arm
- 06 = auto disarm
- 07 = display "reminder"

Installer Only
- 10 = display custom words 8-10
- 11 = periodic test report

Repeat Options: 0 = none; 1 = repeat weekly; 2 = repeat every other week; 3 = repeat every third week; 4 = repeat every fourth week

ALPHA VOCABULARY LIST (For Entering Zone Descriptors)

000 *(Word Space)*
– A –
• **001 AIR**
• ***002 ALARM*** *
004 ALLEY
005 AMBUSH
• **006 AREA**
• **007 APARTMENT**
• ***009 ATTIC*** *
010 AUDIO
– B –
• ***012 BABY*** *
• ***013 BACK*** *
• **014 BAR**
• ***016 BASEMENT*** *
• ***017 BATHROOM*** *
• **018 BED**
• ***019 BEDROOM*** *
020 BELL
• **021 BLOWER**
• **022 BOILER**
023 BOTTOM
025 BREAK
• **026 BUILDING**
– C –
028 CABINET
• **029 CALL**
030 CAMERA
031 CAR
033 CASH
034 CCTV
035 CEILING
036 CELLAR
• **037 CENTRAL**
038 CIRCUIT
• ***040 CLOSED*** *
• **046 COMPUTER**
047 CONTACT
– D –
• **048 DAUGHTERS**
049 DELAYED
• ***050 DEN*** *
051 DESK
• ***052 DETECTOR*** *
• ***053 DINING*** *
054 DISCRIMINATOR
055 DISPLAY
• ***057 DOOR*** *
• **059 DOWN**
• **060 DOWNSTAIRS**
061 DRAWER
• **062 DRIVEWAY**
• **064 DUCT**
– E –
• **065 EAST**
066 ELECTRIC
067 EMERGENCY *
068 ENTRY
• **069 EQUIPMENT**
• ***071 EXIT*** *
072 EXTERIOR
– F –
• **073 FACTORY**
075 FAMILY
• **076 FATHERS**
• **077 FENCE**
• ***079 FIRE*** *
• ***080 FLOOR*** *
081 FLOW
082 FOIL
• **083 FOYER**
084 FREEZER
• ***085 FRONT*** *
– G –
• ***089 GARAGE*** *
• **090 GAS**
091 GATE
• **092 GLASS**
093 GUEST
094 GUN
– H –
• ***095 HALL*** *
• **096 HEAT**
098 HOLDUP
099 HOUSE
100 INFRARED
• ***101 INSIDE*** *
102 INTERIOR
103 INTRUSION
– J –
104 JEWELRY
– K –
• ***105 KITCHEN*** *
–
L –
• ***106 LAUNDRY*** *
• **107 LEFT**
108 LEVEL
• ***109 LIBRARY*** *
• **110 LIGHT**
111 LINE
• ***113 LIVING*** *
• **114 LOADING**
115 LOCK
116 LOOP
117 LOW
• **118 LOWER**
– M –
• **119 MACHINE**
121 MAIDS
122 MAIN *
• ***123 MASTER*** *
• ***125 MEDICAL*** *
126 MEDICINE
128 MONEY
129 MONITOR
• **130 MOTHERS**
• ***131 MOTION*** *
132 MOTOR
– N –
• **134 NORTH**
135 NURSERY
– O –
• ***136 OFFICE*** *
• ***138 OPEN*** *
139 OPENING
• **140 OUTSIDE**
142 OVERHEAD
– P –
143 PAINTING
• ***144 PANIC*** *
145 PASSIVE
• ***146 PATIO*** *
147 PERIMETER
• **148 PHONE**
150 POINT
151 POLICE *
152 POOL *
• **153 POWER**
– R –
155 RADIO
• **156 REAR**
157 RECREATION
159 REFRIGERATION
160 RF
• **161 RIGHT**
• ***162 ROOM*** *
163 ROOF
– S –
164 SAFE
165 SCREEN
166 SENSOR
• **167 SERVICE**
• ***168 SHED*** *
169 SHOCK
• ***170 SHOP*** *
171 SHORT
• ***173 SIDE*** *
174 SKYLIGHT
175 SLIDING *
• ***176 SMOKE*** *
• **178 SONS**
• **179 SOUTH**
180 SPRINKLER
• **182 STATION**
184 STORE
• ***185 STORAGE*** *
186 STORY
190 SUPERVISED *
191 SUPERVISION
192 SWIMMING
193 SWITCH
– T –
194 TAMPER
196 TELCO
197 TELEPHONE
• **199 TEMPERATURE**
200 THERMOSTAT
• **201 TOOL**
202 TRANSMITTER
– U –
• **205 UP**
• **206 UPPER**
• ***207 UPSTAIRS*** *
• ***208 UTILITY*** *
– V –
209 VALVE
210 VAULT
212 VOLTAGE
– W –
213 WALL
214 WAREHOUSE
• **216 WEST**
• ***217 WINDOW*** *
• **219 WING**
220 WIRELESS
– X –
222 XMITTER
– Y –
223 YARD
– Z –
224 ZONE (No.)
• ***225 ZONE*** *
• **226 0**
• **227 1**
• ***228 1ST*** *
• **229 2**
• ***230 2ND*** *
• **231 3**
• ***232 3RD*** *
• **233 4**
• **234 4TH**
• **235 5**
• **236 5TH**
• **237 6**
• **238 6TH**
• **239 7**
• **240 7TH**
• **241 8**
• **242 8TH**
• **243 9**
• **244 9TH**
245 Custom Word #1
246 Custom Word #2
247 Custom Word #3
248 Custom Word #4
249 Custom Word #5
250 Custom Word #6
251 Custom Word #7
252 Custom Word #8
253 Custom Word #9
254 Custom Word #10

Note: Bulleted (•) words in **boldface type** are those that are also available for use by the FA4285/FA4286 Phone Module. If using a Phone module, and words other than these are selected for Alpha descriptors, the module will not provide annunciation of those words.

Italicized words followed by an asterisk indicate those words supported by the FA560VKP Voice Keypad.

CHARACTER (ASCII) CHART (For Adding Custom Words)

32	(space)	41	)	50	2	59	;	68	D	77	M	86	V
33	!	42	*	51	3	60	<	69	E	78	N	87	W
34	"	43	+	52	4	61	=	70	F	79	O	88	X
35	#	44	,	53	5	62	>	71	G	80	P	89	Y
36	$	45	–	54	6	63	?	72	H	81	Q	90	Z
37	%	46	.	55	7	64	@	73	I	82	R		
38	&	47	/	56	8	65	A	74	J	83	S		
39	'	48	0	57	9	66	B	75	K	84	T		
40	(	49	1	58	:	67	C	76	L	85	U		

5800 Series Transmitter Input Loop Identification

All of the transmitters illustrated below have one or more unique factory assigned input (loop) ID codes. *Each of the inputs requires its own programming zone* (e.g., a 5804's four inputs require four programming zones).

WIRELESS INPUT TYPES

"RF" (Supervised RF) Type send periodic check-in signals, as well as fault, restore and low battery signals. The transmitter must remain within the receiver's range.

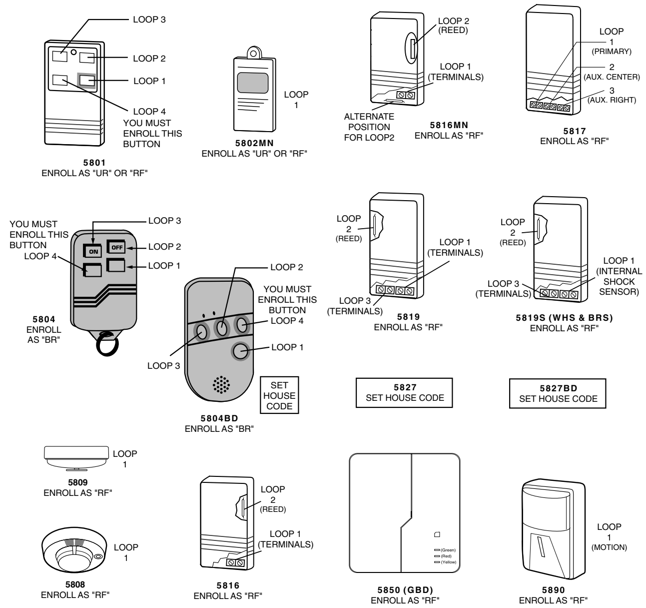
"UR" (Unsupervised RF) Type send all the signals that the "RF" Type does, but the control does not supervise the check-in signals. The transmitter may, therefore, be carried off-premises.

"BR" (Unsupervised Button RF) Type only send fault signals. They do not send restore or check-in signals. They will indicate a low battery condition when tested or activated normally. They can be carried off-premises.

Note: For information on any transmitter not shown above, refer to the instructions accompanying that transmitter for details regarding loop numbers, etc.

UL NOTE: The following transmitters are not intended for use in UL installations: 5802MN, 5802MN2, 5804, 5804BD, 5814, 5816TEMP, 5819, 5819WHS & BRS, and 5850.

The 5827BD and 5800TM can be used in UL Listed Residential Burglar installations.



Wireless Key Predefined Default Templates

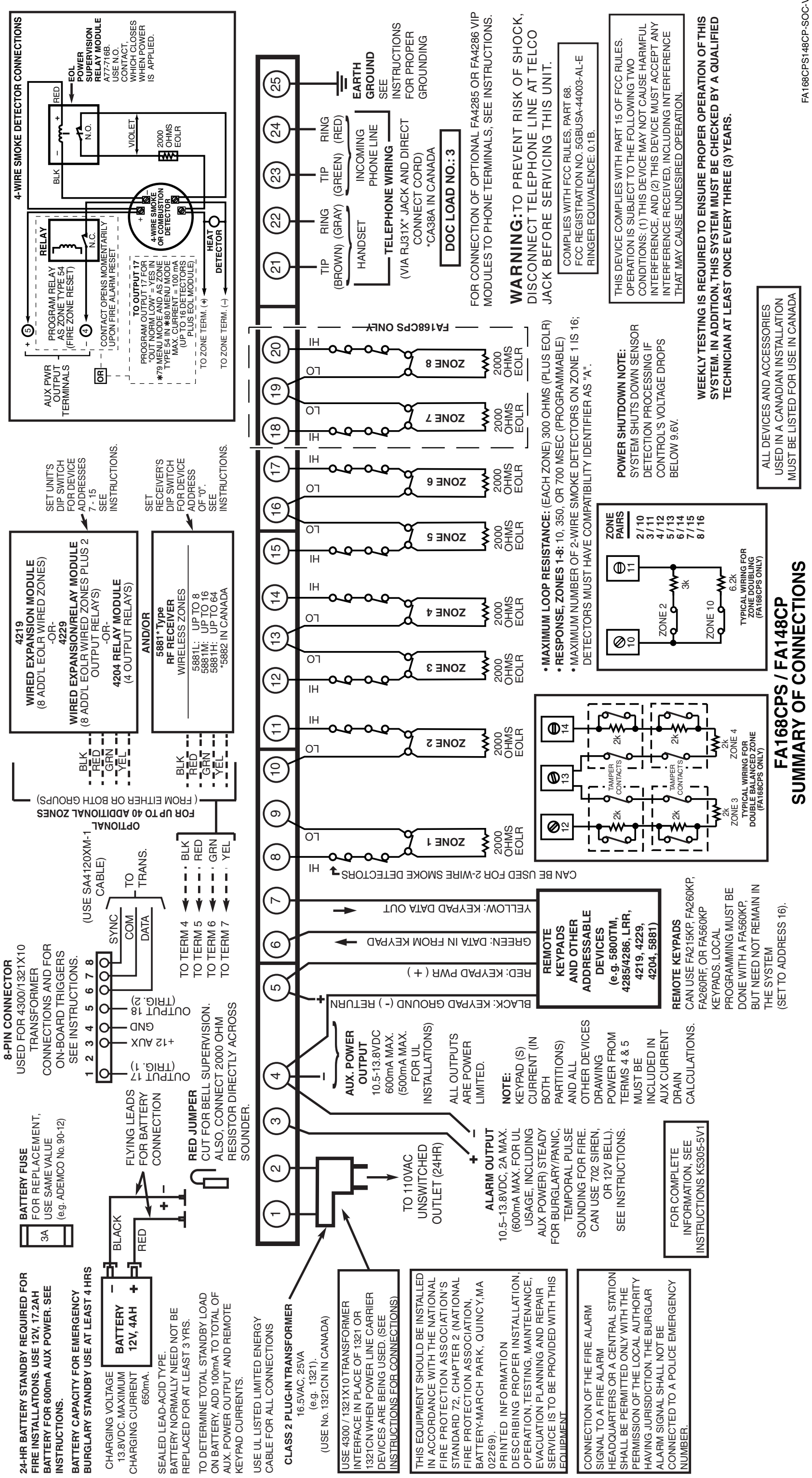
For 5804	Loop	Function	Zone Type	For 5804BD	Loop	Function	Zone Type
TEMPLATE 1	1	No Response	23	TEMPLATE 4	1	No Response	23
	2	Disarm	22		2	No Response	23
	3	Arm Away	21		3	Arm Away	21
	4	No Response	23		4	Disarm	22
TEMPLATE 2	1	No Response	23	TEMPLATE 5	1	No Response	23
	2	Disarm	22		2	Arm Stay	20
	3	Arm Away	21		3	Arm Away	21
	4	Arm Stay	20		4	Disarm	22
TEMPLATE 3	1	24-hour audible	7	TEMPLATE 6	1	24-hour audible	7
	2	Disarm	22		2	Arm Stay	20
	3	Arm Away	21		3	Arm Away	21
	4	Arm Stay	20		4	Disarm	22

Table of Device Addresses

This Device	Uses Address	Reports as††	Enabled By…
RF Receiver	00	100	*56 zone programming: input device type entry
AUI 1	01	101	automatic if AUI enable field *189 enabled for AUI 1
AUI 2	02	102	automatic if AUI enable field *189 enabled for AUI 2
Long Range Radio	03	103	automatic if output to long range radio field *29 enabled
FA4286 Voice Module	04	104	automatic if phone module access code field *28 enabled
Zone Expanders (4219/4229):			*56 zone programming: input device type entry, then:
module 1 (for zones 09 - 16)	07	107	automatic if zone no. 9-16 entered as AW type or relay assigned
module 2 (for zones 17 - 24)	08	108	automatic if zone no. 17-24 entered as AW type or relay assigned
module 3 (for zones 25 - 32)	09**	109	automatic if zone no. 25-32 entered as AW type or relay assigned
module 4 zones 33 - 40	10**	110	automatic if zone no. 33-40 entered as AW type or relay assigned
module 5 zones 41 - 48	11**	111	automatic if zone no. 41-48 entered as AW type or relay assigned
Relay Modules (4204):			*79 output device programming: device address prompt:
module 1	12	112	entered at device address prompt
module 2	13	113	entered at device address prompt
module 3	14**	114	entered at device address prompt
module 4	15**	115	entered at device address prompt
Keypads:			data field programming as listed below:
keypad 1	16	n/a	always enabled, all sounds enabled.
keypad 2	17	n/a	data field *190
keypad 3	18	n/a	data field *191
keypad 4	19	n/a	data field *192
keypad 5	20	n/a	data field *193
keypad 6	21	n/a	data field *194
keypad 7	22	n/a	data field *195
keypad 8	23	n/a	data field *196
5800TM Module	28	n/a	automatic

** These module addresses apply to FA168CPS only.

†† Addressable devices are identified by “1” plus the device address when reporting. Enter report code for zone 91 to enable addressable device reporting (default = reports enabled). See field *199 for addressable device (ECP) 3-digit/2-digit identification keypad display options.



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